



Australian Government

MSFFDM4023 Set up, operate and maintain basic static woodworking machines for furniture designs

Release: 1

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Modification History

Release 1. Unit code, title and Application changed. Elements and Performance Criteria changed to active voice. Range of Conditions removed and relevant content moved to Assessment Requirements. Assessment Requirements changed to include volume and frequency of evidence and remove duplication with Performance Criteria. Supersedes and is equivalent to MSFFDT4009 Set up, operate and maintain basic static woodworking machines for furniture designs.

Application

This unit describes the skills and knowledge to set up, operate and maintain basic static woodworking machines to achieve design requirements for furniture or similar products. It includes tuning and general problem-solving.

This unit applies to individuals working in a manufacturing or workshop environment who set up, operate and maintain basic static woodworking machines, either alone or as part of an internal or external team.

No licensing or certification requirements apply to this unit at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Workshop practice

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine set-up and operating requirements of woodworking machines	1.1 Verify and ensure compliance with relevant legislative, work health and safety and workplace requirements related to selection and use of static woodworking machines 1.2 Identify set-up requirements for static woodworking machines in accordance with furniture design and safety requirements 1.3 Identify operating requirements to achieve design outcomes and determine safety requirements
2. Set up and operate static woodworking	2.1 Check selected machines for serviceability, precision settings, maintenance compliance and safety in accordance with workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
machines	procedures 2.2 Interpret work specifications and instructions and set up machines to perform operations 2.3 Operate machines in accordance with manufacturer operating procedures to achieve required work outcome 2.4 Monitor work to ensure quality standards are met 2.5 Follow safety procedures
3. Maintain static woodworking machines	3.1 Assess machines for performance compliance 3.2 Identify, rectify and report on faults or non-compliance issues, or replace as needed in accordance with workplace procedures 3.3 Apply problem-solving techniques to identify and address operational problems 3.4 Conduct routine maintenance to ensure optimal performance of machines 3.5 Clean and clear work area in accordance with workplace procedures 3.6 Clean, maintain and store all machines in accordance with manufacturer specifications

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit to the performance criteria.

- Numeracy skills to interpret technical information.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Supersedes and equivalent to MSFFDT4009 Set up, operate and maintain basic static woodworking machines for furniture designs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFDM4023 Set up, operate and maintain basic static woodworking machines for furniture designs

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- set up, operate and maintain four different basic static woodworking machines for use on two different projects.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types, characteristics, uses, limitations and maintenance requirements of the range of static woodworking machines used in furniture production, including:
 - table saw
 - thicknesser
 - jointer
 - band saw
- interrelationship between basic static woodworking machines and design outcomes
- manufacturing specifications for static woodworking machines
- processes for evaluating the quality of static woodworking machines in terms of specifications, safety, maintainability and commercial reputation
- workflow within the furnishing workplace
- applicable work health and safety, legislative and workplace requirements relevant to the selection and use of static woodworking machines.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - required range of basic static woodworking machines.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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